

### **ABSTRACT OF THE DISCLOSURE**

A system for scheduling maintenance on equipment includes a metallic element placed on or near a piece of equipment in an environment, a measuring and data storing device configured to measure the resistance of the metallic element, and a computer configured to determine the amount of corrosion experienced by the metallic element based on the resistance measured by the measuring and data storing device and to correlate the amount of corrosion with a maintenance schedule for the piece of equipment. A method for scheduling maintenance on a piece of equipment is also described. The method includes placing a metallic element on or near the piece of equipment, determining the amount of corrosion experienced by the metallic element, and correlating the amount of corrosion with a maintenance schedule for the piece of equipment.